



Tanami Gold NL

Diamond Geological Log

Tanami Gold NL										HEAD: <u>RDP</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY '05</u>		DATE: <u>1 MAY 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Tanami Gold NL

Diamond Geological Log

Record: RD2 Date: East: North: Scale:
 Grid: Survey Method: Project: Prospect:

From	To	Colour	Weathering	Regolith	Regolith Variant	Lithology	Lithology Variant	Grain Size	Hardness	Deformation	Sequence	Str. Min	Str. Var	Str. Int	Core Min	Core Variant	Core %	Comments
7988	7992	lg	FA	-	-	SST		st	H6	FL	14	Si	Pr	At	P ^o as	SK	2	CM whole sh. in. is not gradational, silica flooding PO and as stringers elongated along foliation. Sulfides constrained to c. 1 ft.
7998	8002	gg	FL	-	-	SST		ma and gng	H6	-	15							Scatter. c. 1 m muddy sandstone.
8002	8006	gg	FL	-	-	SST		mg and gng	H6	-	16							qt sandstone. Muddy matrix.
8006	8010	gg	FL	-	-	SST		ma and mg	H6	-	16							translucent. white sacrocidal of v. -
8010	8014	gg	FL	-	-	SST		mg	H6	-	16							wk silicified of sand. (muddy)
8014	8018	gg	FL	-	-	SST		mg	H6	-	16							translucent yellow-green, recrystallized of v. trace py c. 1 fl. thick
8018	8022	gg	FL	-	-	SST		mg	H6	-	16							gradational mg - v. sandstone.
8022	8026	gg	FL	-	-	SST		mg	H6	-	16							ep? altered siltstone.
8026	8030	gg	FL	-	-	SST		mg	H6	-	16							Interbedded SST/SST rem wide sandy interbeds within c. 1 ft
8030	8034	gg	FL	-	-	SST		mg	H6	-	16							qt-e-b? - cl v. - . Scales of cl. Trace py.
8034	8038	gg	FL	-	-	SST		mg	H6	-	16							1-3 cm mg sandy interbeds within FL 5 ft.
8038	8042	gg	FL	-	-	SST		mg	H6	-	16							mg of sandstone. Muddy matrix
8042	8046	gg	FL	-	-	SST		mg	H6	-	16							1-2 cm mg sandy interbeds in thin c. 1 ft package
8046	8050	gg	FL	-	-	SST		mg	H6	-	16							grad. nodular sandstone (muddy)
8050	8054	gg	FL	-	-	SST		mg	H6	-	16							siltstone of st.
8054	8058	gg	FL	-	-	SST		mg	H6	-	16							qt suggested sandstone.
8058	8062	gg	FL	-	-	SST		mg	H6	-	16							nodular sandstone (shaded) c. 1 ft. strong foliation.
8062	8066	gg	FL	-	-	SST		mg	H6	-	16							argen features around of boudins.
8066	8070	gg	FL	-	-	SST		mg	H6	-	16							siltstone fabric less well defined (mucile)
8070	8074	gg	FL	-	-	SST		mg	H6	-	16							qt-cl vein breccia, biotite? rosseter within and
8074	8078	gg	FL	-	-	SST		mg	H6	-	16							concentrated along massive
8078	8082	gg	FL	-	-	SST		mg	H6	-	16							mg of sandstone. tending to v. c.
8082	8086	gg	FL	-	-	SST		mg	H6	-	16							siltstone.
8086	8090	gg	FL	-	-	SST		mg	H6	-	16							as above of vein with pronounced biotite c. 1 ft.
8090	8094	gg	FL	-	-	SST		mg	H6	-	16							texture on margins of vein sub // core axis.
8094	8098	gg	FL	-	-	SST		mg	H6	-	16							delimited zone. Cat-bio-silicified? vein - overcast
8098	8102	gg	FL	-	-	SST		mg	H6	-	16							sub // to core axis. Coarse textured biocrystalline
8102	8106	gg	FL	-	-	SST		mg	H6	-	16							delimited veinlet. as veinlets.
8106	8110	gg	FL	-	-	SST		mg	H6	-	16							siltstone
8110	8114	gg	FL	-	-	SST		mg	H6	-	16							massive of sandstone
8114	8118	gg	FL	-	-	SST		mg	H6	-	16							siltstone. Thin (c. 5 cm) sandy beds



Tanami Gold NL

Diamond Geological Log

Head ID: _____	North: _____	Scale: _____	Geologist: _____	Pre-Column Depth: _____
Date: _____	East: _____	Survey Method: _____	Code Type: _____	Notes: _____
Grid: _____	Section: _____	Project: _____	Adm. No.: _____	
			Total Depth: _____	

Grid	Foot	Fe	Colour	Weathering	Regolith	Regolith Variant	Lithology	Lithology Variant	Grain Size	Hardness	Deformation	Sequence	Aftn Min	Aftn Variant	Aftn Interval	One Min	One Variant	One %	Comments
87.4	88.1	99	FR	-	-	-	SSD	md	mg	H6	-	15	-	-	-	-	-	-	med grained qtz sandstone, muddy matrix
88.1	88.4	99	FR	-	-	-	SSD	ma	sp	H5	-	16	-	-	-	-	-	-	siltstone.
88.4	93.4	99	FR	-	-	-	SSD	ma and	cg	H7	-	17	-	-	-	-	-	-	massive coarse grained qtz sandstone (muddy) grades to fine sandstone.
93.4	93.52	99	FR	-	-	-	SSD	ma	st	H6	-	17	-	-	-	-	-	-	siltstone.
93.52	93.88	99	FR	-	-	-	SSD	gt	mg-vf	H7	-	18	-	-	-	-	-	-	grading qtz sandstone.
93.88	94	99	FR	-	-	-	SSD	ma	st	H6	-	18	-	-	-	-	-	-	siltstone.
94	94.2	99	FR	-	-	-	SSD	gt	mg-vf	H6	-	17	-	-	-	-	-	-	med grained to grading sand.
94.2	95.08	99	FR	-	-	-	SSD	gt	mg-vf	H6	-	20	-	-	-	-	-	-	coarse-very fine sand.
95.08	95.5	99	FR	-	-	-	SSD	gt	mg-vf	H6	-	21	-	-	-	-	-	-	coarse-very fine sand.
95.5	95.62	99	FR	-	-	-	SSD	ma	st	H6	-	21	-	-	-	-	-	-	siltstone.
95.62	95.85	99	FR	-	-	-	SSD	gt	mg-vf	H6	-	22	-	-	-	-	-	-	medium-very fine sand.
95.85	96.25	99	FR	-	-	-	SSD	gt	st	H6	-	22	-	-	-	-	-	-	siltstone.
96.25	97	99	FR	-	-	-	SSD	gt	mg-vf	H6	-	23	-	-	-	-	-	-	cg-vf sand.
97	97.1	99	FR	-	-	-	SSD	gt	st	H6	-	23	-	-	-	-	-	-	siltstone.
97.1	97.2	99	FR	-	-	-	SSD	gt	mg-vf	H6	-	24	-	-	-	-	-	-	ag-vf sand.
97.2	97.45	99	FR	-	-	-	SSD	gt	mg-vf	H6	-	25	-	-	-	-	-	-	mg-vf sand.
97.45	97.6	99	FR	-	-	-	SSD	gt	st	H6	-	25	-	-	-	-	-	-	siltstone.
97.6	97.71	99	FR	-	-	-	SSD	gt	mg-vf	H6	-	26	-	-	-	-	-	-	cg-vf sand. (most gradation lost seen)
97.71	98.06	99	FR	-	-	-	SSD	md	mg	H6	-	26	-	-	-	-	-	-	siltstone.
98.06	98.65	99	FR	-	-	-	SSD	md	st	H6	-	27	-	-	-	-	-	-	siltstone.
98.65	98.72	99	FR	-	-	-	SSD	md	st	H6	-	28	-	-	-	-	-	-	thin vf sand / silt.
98.72	98.86	99	FR	-	-	-	SSD	md	st	H6	-	28	-	-	-	-	-	-	gradational coarse-vf sand.
98.86	98.9	99	FR	-	-	-	SSD	md	st	H6	-	29	-	-	-	-	-	-	very coarse qtz sandstone.
98.9	99.08	99	FR	-	-	-	SSD	md	st	H6	-	30	-	-	-	-	-	-	grey-vf crystalline qtz-cl-py vein. diffuse margins.
99.08	99.3	99	FR	-	-	-	VNQ	gt	st	H6	-	-	-	-	-	-	-	-	workable siltification.
99.3	99.54	99	FR	-	-	-	VNQ	gt	st	H6	-	-	-	-	-	-	-	-	degraded ductile folded siltstone.
99.54	99.64	99	FR	-	-	-	VNQ	gt	st	H6	-	-	-	-	-	-	-	-	cloudy white vein brecciated and infiltrated translucent qtz.
99.64	99.7	99	FR	-	-	-	VNQ	gt	st	H6	-	-	-	-	-	-	-	-	megacrystalline by comp. brecciated amphibole and feldspar.
99.7	100.2	99	FR	-	-	-	VNQ	gt	st	H6	-	-	-	-	-	-	-	-	brecciated silt.
100.2	100.8	99	FR	-	-	-	VNQ	gt	st	H6	-	-	-	-	-	-	-	-	degraded vf sandstone. Muddy.



Tanami Gold NL

Diamond Geological Log

Mine: _____ East: _____ Survey Method: _____
 Tm ID: _____ Project: _____ Prospect: _____
 Grid: _____

From	To	Colour	Weathering	Regolith	Regolith Variant	Lithology	Lithology Variant	Grain Size	Hardness	Deformation	Sequence	Alt's Min	Alt's Variant	Alt's Interval	Ore Min	Ore Variant	Ore %	Comments
100-2	101-82	gg	FR			SSD	ln	vf	H6	-								very fine sandstone. laminated coarse grained mudstone
101-82	102-28	gg	FR			SSD	md	cg	H6									very coarse, grain supported intertidal mud sandstone
102-28	102-6	gg	FR			SSD	md	cg	H6									very fine-fine sandstone bed
102-6	102-62	gg	FR			SSD	md	cg	H6									coarse grain supported muddy sand.
102-62	102-71	gg	FR			SSD	md	cg	H6									fg-vf sandstone
102-71	103-15	gg	FR			SSD	md	cg	H6									fg-fg sandstone.
103-15	103-65	gg	FR			SSD	md	cg-fg	H6									very coarse muddy of sand grain supported mudstone
103-65	104-5	gg	FR			SSD	md	cg	H6									sharp up hole ch. siltstone mudstone
104-5	106-1	gg	FR			SSD	gt.	ug	H6									whitely, internally laminated at vein cutting (m qtz) mud.
106-1	106-25	gg	FR			SSD	gt.											chert altered ssd, regged fsp all?
106-25	106-35	gg	FR			SSD	md	cg	H6									muddy matrix supported mud.
106-35	106-55	gg	FR			SSD	md	cg	H6									coarse, matrix supported sand.
106-55	106-95	gg	FR			SSD	md	cg	H6									2mm wide siltstone.
106-95	106-99	gg	FR			SSD	md	cg	H6									coarse sandstone
106-99	107-1	gg	FR			SSD	md	cg	H6									medium fine grained grading sandstone
107-1	107-25	gg	FR			SSD	gt	cg	H6									laminated silt.
107-25	107-38	gg	FR			SSD	md	cg	H6									coarse sandstone
107-38	107-87	gg	FR			SSD	md	cg	H6									grt-translucent white, abundant of vein. Rust after sulphide
107-87	107-97	gg	FR			SSD	md	cg	H6									affluent Si-cl-cb sandstone. trace pyrite.
107-97	108-05	gg	FR			SSD	md	cg	H6									internally laminated grey-white, 2mm. Definite.
108-05	108-08	gg	FR			SSD	md	cg	H6									coarse textured biotite-amphibole matrix
																		(bio feeding texture rare rosettes)
																		very fine sandstone. muddy
																		finely laminated siltstone
																		fine grained muddy sandstone. laminations
																		coarse, internally laminated of vein overprinted
																		by transverse quartz (silicate inclusions of cl and
																		coarse bio (fossiliferous)
																		fine-grained sandstone. Sulphide as stringers
																		along foliation.
110-57	110-9					SSD	md	cg	H6									
(60H)																		

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Quants

Veining early qtz-cl (Bausph) vein
K-cut by folded veins (maybe bio)

Diamond Geological Log

Alteration						Veining						Mineralisation							
From	To	Mineral(s)	Type	Intensity	Comments	From	To	Mineral(s)	Associated Alteration Mineral(s)	Type	Texture	%	Comments	From	To	Mineral(s)	Type	%	Comments
66.2	66.5	Si, MS	PV	A2		69.55	68.57	qtz, cl	-	PR	AX	50	diffuse magmatic alteration along S.W. vein	76.3	77.6	Si	AS	0.1	Si staining after leaching of pyrite
66.9	67.9	Si, MS	PV	A2		69.44	69.55	qtz, cl	cl	PR	AX	100	80-100 breccia vein						
67.9	68.5	Si	PV	A2		73.08	73.07	qtz, op?		M1	BL	90	qtz epithermal vein (99%) breccia breccia						
68.5	69.15	MS	PV	A2		74.52	76.7	qtz, cl, py		ED	BL	100	spatially qtz, cl veins (breccia) breccia breccia						
69.55	70.3	Si	PV	A2		77.45	77.7	qtz, py		ED	BL	100	spatially qtz, cl veins (breccia) breccia breccia						
72.6	76.3	Si, MS	PV	A3	yg, py alteration	94.42	94.13						yg staining, diffuse magmatic						
76.3	78.8	Si	PV	A3	Si, py alteration	79.12	79.13	qtz, op?	py	M1	AX	100	Si staining, pyrite alteration						
79.8	79.3	MS	PV	A2	yg, py, cl	80.35	80.38	qtz, cl, py		PR	AX	100	Si staining, pyrite alteration						
79.3	80.9	Si	PV	A2	Si, py, cl	80.9	81.03	qtz		PR	AX	100	Si staining, pyrite alteration						
80.9	84.45	MS	PV	A2	yg, py, cl	81.68	81.72	qtz, cl, py		PR	AX	100	Si staining, pyrite alteration						
84.45	86.3	Si	PV	A2	Si, py, cl	85.1	85.2	qtz, cl, bi		M1	AX	100	Si staining, pyrite alteration						
86.3	86.9	MS, cl	PV	A2	yg, py, cl	86.6	86.82	qtz, bi	bi, cl	M1	AX	90	Si staining, pyrite alteration						
88.08	88.5	MS	PV	A1	yg, py, cl								Si staining, pyrite alteration						
94.5	94.65	MS	PV	A2	yg, py, cl								Si staining, pyrite alteration						
					yg, py, cl								Si staining, pyrite alteration						
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					yg, py, cl								Si staining, pyrite alteration						

transitive operation

yg alteration well developed in muddy/silty units



Diamond Downhole Event / Survey Log

Geologist: *SR*

Downhole Events / Structure

[illegible]

Surveys

[illegible]

Event Codes:

TUH = Younging up hole

YDih = younging down hole

BOD₀ = base of complete oxidation

TOP = top of paleochannel

EOPC = end of pre-collar

SCA = base of transported

CRN = crenulation clearance

TOB = top of basement

TOSA = top of saprolite

TOFR = top of fresh rock

VEIN = vein

JNT = joint

FLT = fault

BED = bedding

LYR = layering

LIN = lineation

FOL = foliation

IF FRC = fracture

SLK = *elickenside*

WWT = water table

EOH = end of hole

78°/240°

Hole ID _____ Page _____ of _____